

FF102/50

Rainscreen Fire Block

Key Features

- NFPA285 Fire Tested
- UL Listed
- ETL Listed
- NYC OTCR/DOB approved material in accordance with the 2022 NYC Building Code Section 718.2.1
- Continuous Free Air Space up to 2" (50mm)
- Allows for air circulation and moisture dissipation
- Expands up to 25 times of its thickness in case of a fire
- Quick & Easy Installation

Product Dimensions

39 $\frac{3}{8}$ in x 3 in x $\frac{1}{4}$ in *

1000 mm x 75 mm x 6 mm

*Nominal



Tenmat's FF102/50 Fire Blocks for ventilated rainscreen systems are high expansion intumescent seals offering industry leading performance as an 'open state' cavity fire barrier. The product has undergone extensive fire testing, including NFPA 285 at Intertek and UL and is a NYC OTCR/DOB approved material in accordance with the 2022 NYC Building Code Section 718.2.1 (item #8) when required in concealed spaces of exterior wall coverings as specified in accordance with BC 718.2.6.1.

Tenmat's innovative Fire Blocks for Rainscreen Systems are rigid, highly expansive intumescent strips, designed to maintain the open ventilated cavity in normal conditions. In the event of a fire, the strips will expand to seal off the cavity and serve as a fireblocking. The FF102/50 can be mechanically fixed both horizontally and vertically within ventilated cavities behind rainscreen or cladding systems.

Intumescent in Action



Open-State Cavity allows for:

- ✓ Ventilation
- ✓ Moisture dissipation
- ✓ Improved insulation

Fire Activated Intumescent

- ✓ Closes air cavity gap
- ✓ Prevents flame spread
- ✓ Effective fire block

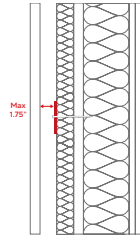
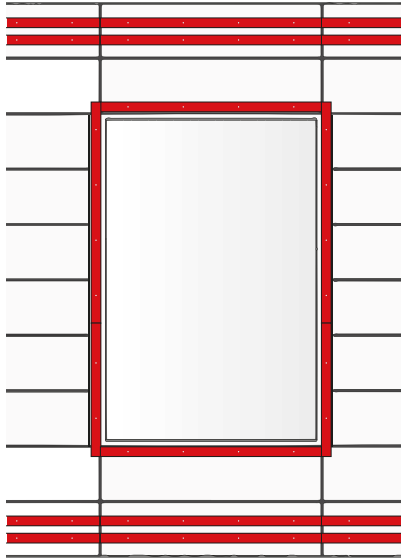


Intumescent material expands at 375° F up to 25x its original thickness.

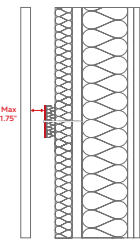
FF102/50

Rainscreen Fire Block

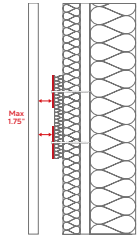
Application (Examples)



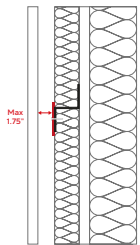
FF102/50 on mineral wool thru-fixed to sheathing board



FF102/50 on additional mineral wool packer



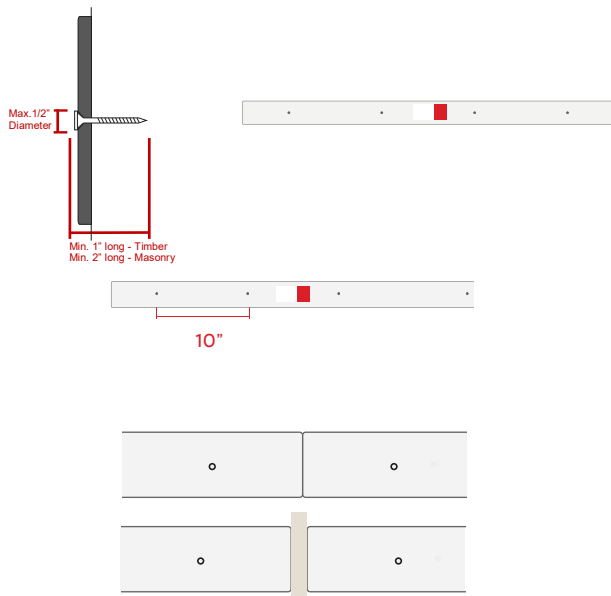
2x FF102/50 to form 8" high fireblocking zone



FF102/50 fixed directly to Z Girt

Fitting Instructions

Tenmat's FF102/50 Rainscreen Fire Block is a particularly versatile and extensively fire tested flame and heat barrier in external cavities, which can be installed in a wide range of construction types. The product must be mechanically fixed in position to leave a maximum air gap of 1 3/4" between the product and the back of the cladding panel.



- Fix FF102/50 with non-combustible screws
- Fixings to have a head diameter between 1/4" and 1/2" and suitable length and type for substrate
- Ensure label side is facing out into cavity
- Do not overdrive fixing, screw head must sit flush or slightly proud

- Each length up to 20" requires a minimum of two fasteners
- Product must be fixed at 5" from the ends
- Distance between fasteners cannot exceed 10"
- Fixings must be along center line of the Fire Block

- Adjacent lengths must be tightly abutted
- In case of vertical rails, product must be tightly abutted against rail
- Ensure Fire Block is free to expand without obstruction

When fixing FF102/50 through existing cavity insulation, ensure fixing embeds either into a solid substrate, e.g. sheathing board, steel stud or concrete slab. Alternatively FF102/50 can be fixed into steel Z girt.

Tenmat Inc.
500 Water Street
Newport,
DE 19804

302-633-6600
info@tenmatusa.com
www.tenmatusa.com